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Product: Daily Forecast of Geomagnetic Activity
Issued: 2024 February 28 04:57UTC
Prepared by the Athens Space Weather Forecasting Center
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**I. Solar activity**
*--Current Status*
Solar Flux (10.7cm) measured on 27.02.2024 at 23:00 UTC was 168 sfu.
The background X-Ray flux is at the class C1.4 level.
No obviously Earth directed CMEs were observed in available LASCO imagery on February 24-26.
A coronal hole (CH1202) at southern hemisphere was Earth facing position on February 21-24.

**II. Solar Energetic Particle Events**
Protons and electrons fluxes are quiet.

**III. Interplanetary and Geomagnetic conditions**
The solar wind speed measured by ACE satellite reached the max value 448 Km/s on February 27 at 10:05 UT during the last 24 hours.
The solar wind speed from STEREO A was detected 400 Km/s during the last 24 hours.
The vertical component of IMF Bz reached the max value -5 nT on February 27 at 04:35 UT during the last 24 hours.
The geomagnetic field was at quiet to minor storm (G1) levels during the last 24 hours.
The Kp index now is at quiet levels with Kp=2.

**IV. 3-day Geomagnetic Activity Forecast**
The geomagnetic field is expected to be at quiet to unsettled levels on February 28 and at quiet levels on February 29 - March 01.

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| **Date** | **Ap index forecast** | **Geomagnetic Activity level** |
| 28.02.2024 | 08 | Quiet to Unsettled |
| 29.02.2024 | 05 | Quiet |
| 01.03.2024 | 05 | Quiet |

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